

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054155 A1

(51) International Patent Classification⁷: **C05F 1/00**,
C05D 9/02, C05F 11/00

(21) International Application Number:
PCT/EP2003/013080

(22) International Filing Date:
20 November 2003 (20.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant and

(72) Inventor: **VAN DER WEIDE, Willibrordus, Augustinus**
[NL/SK]; Krivostany 369, 072.22 Strazske (SK).

(74) Agent: **VAN SOMEREN, Petronella, Francisca, Hendrika**; Arnold & Siedsma, Sweelinckplein 1, NL-2517 GK The Hague (NL).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,

CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BIOLOGICAL FERTILIZER

(57) Abstract: The present invention relates to a method for the preparation of a biological fertilizer comprising subjecting whey to a first fermentation step and the addition of a carrier material to the fermented whey and a biological fertilizer obtainable by the method. The biological fertilizer can be used as a replacement of the present artificial fertilizers thereby reducing many of the environmental problems associated with these artificial fertilizers. In addition, the biological fertilizer according to the present invention can be used in the field of biological agriculture for which, until the present biological fertilizer, no fertilizers were available.

WO 2005/054155 A1